
THE
AMERICAN
RADIO
RELAY
LEAGUE
PRESENTS



GENEVA · 1979

World Administrative Radio Conference


GENEVA 1979

NARRATOR:

GEORGE BARKER WB8PBC

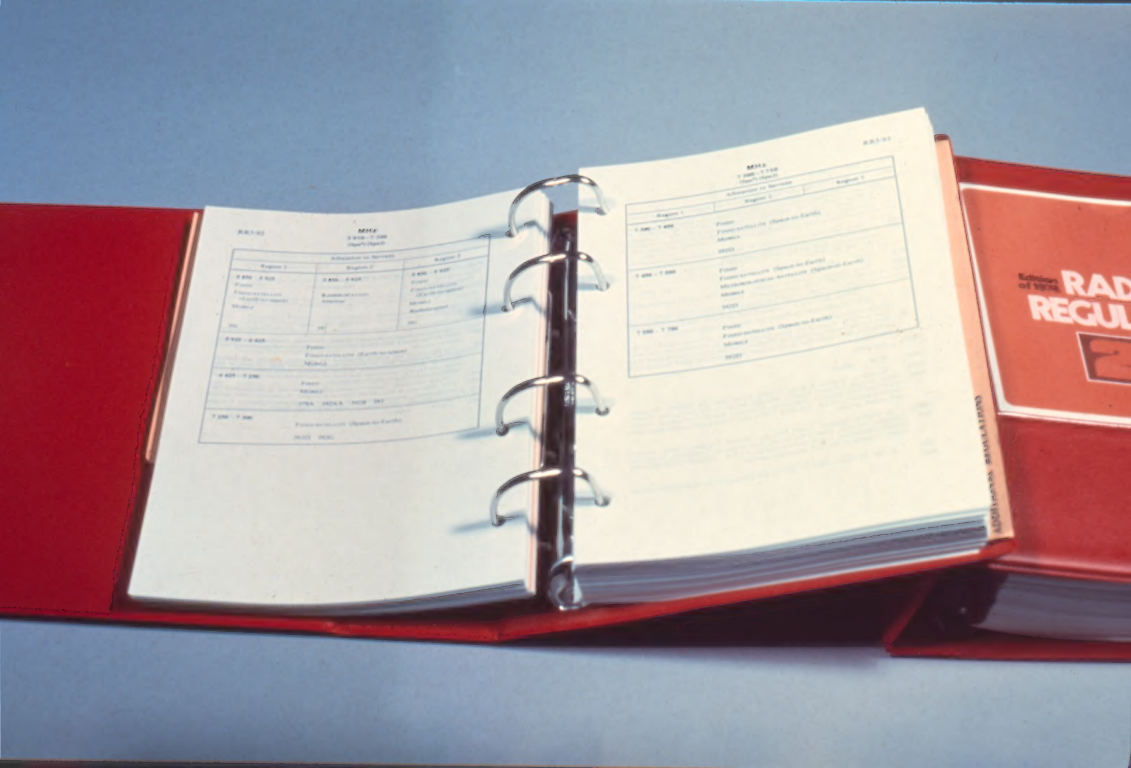
VOICE CHARACTERIZATIONS:

BRUCE ALLEN JOHNSON WA6IDN

Script Consultants: DAVE SUMNER K1ZZ
PERRY F. WILLIAMS W1UED

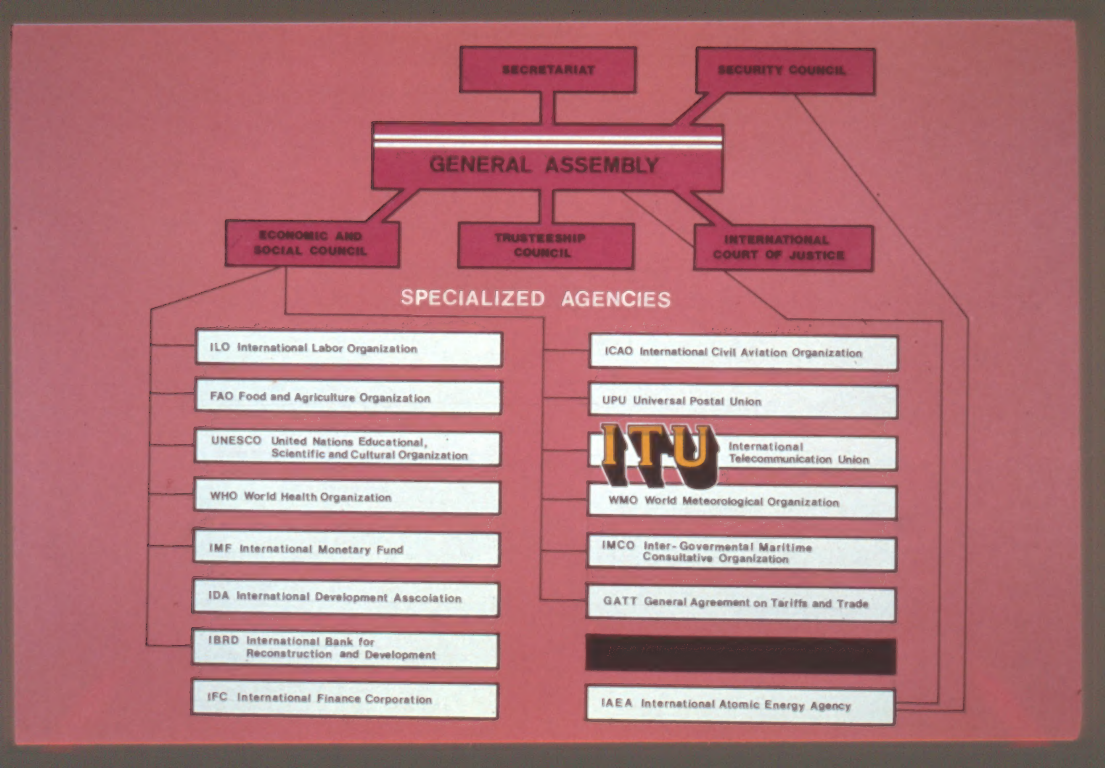
MARCONI STATION SLIDES: NATIONAL PARK SERVICE


LOAD
FIX CH
PLATE
1
1.8
1.4
2.1
2.8
3.5
SEND
VOX
NB
MONI
RIT
IF SHIFT
MIC
CAR
BAND
ON
OFF
RF ATT
VOX Gain
AUX
25KHz
RMT
FIX

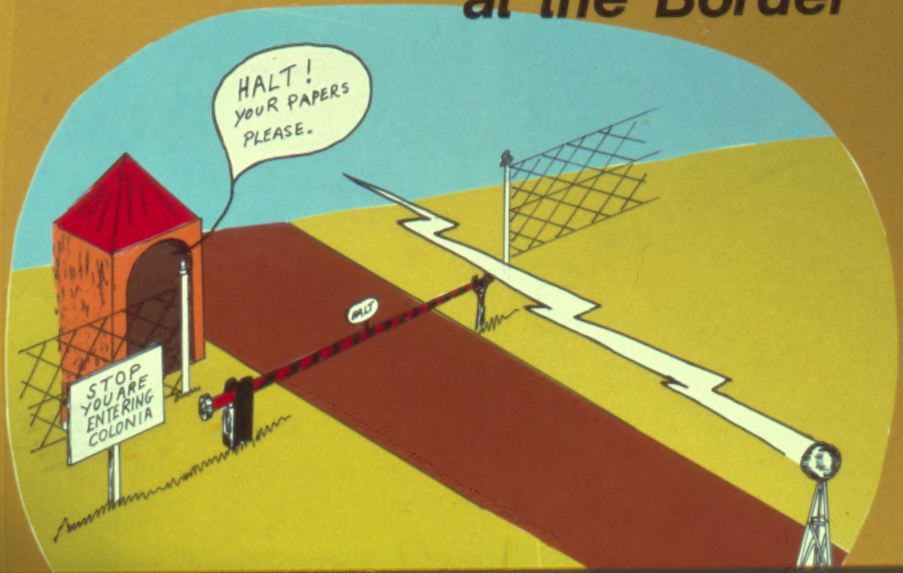

RR1-92
MHz
Allocation to Services
Region 1
Region 2
Region 3
RR1-93
MHz
Allocation to Services
Region 1
Region 2
Region 3
RADIO REGULATIONS

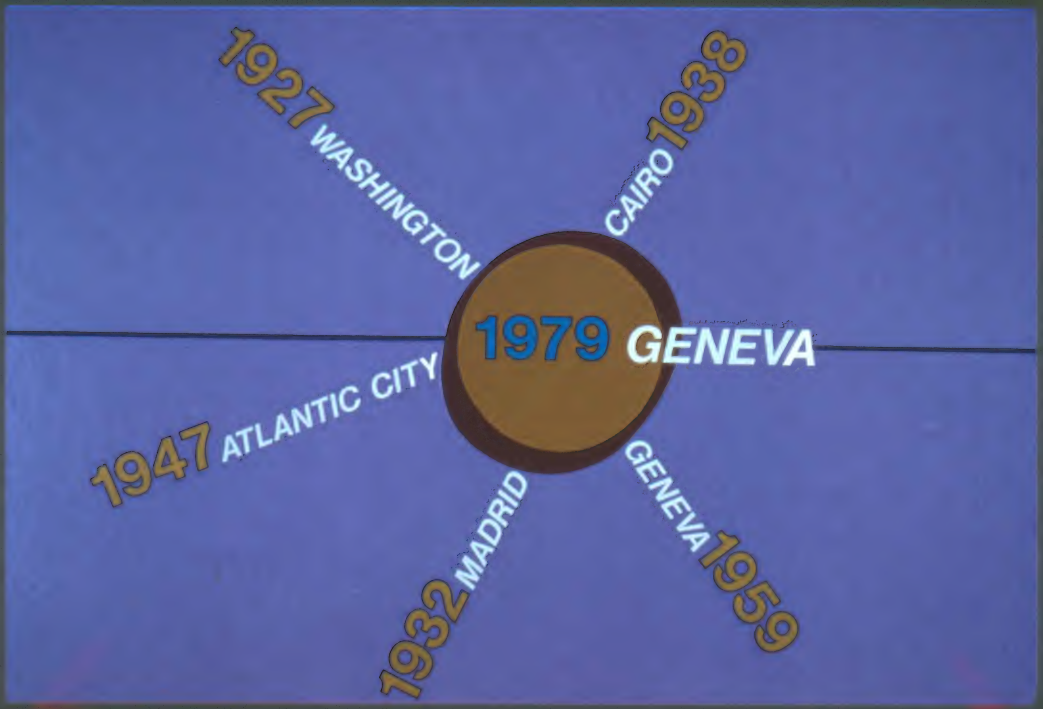

U I T
I T U

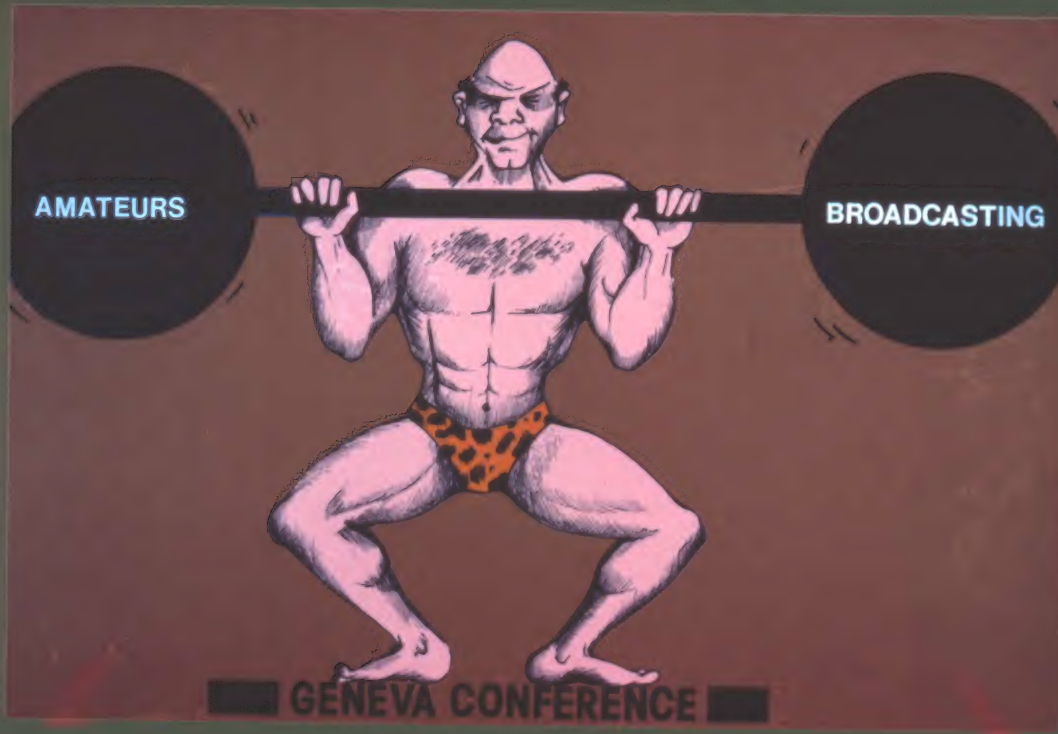


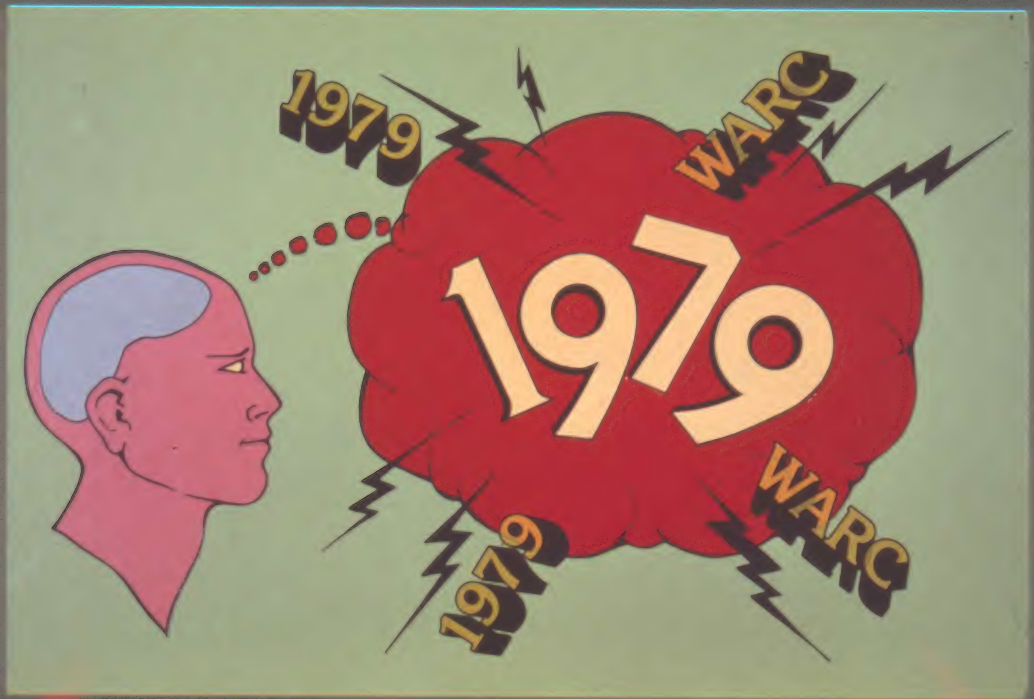

SECRETARIAT
SECURITY COUNCIL
GENERAL ASSEMBLY
ECONOMIC AND SOCIAL COUNCIL
TRUSTEESHIP COUNCIL
INTERNATIONAL COURT OF JUSTICE
SPECIALIZED AGENCIES
ILO International Labor Organization
FAO Food and Agriculture Organization
UNESCO United Nations Educational, Scientific and Cultural Organization
WHO World Health Organization
IMF International Monetary Fund
IDA International Development Association
IBRD International Bank for Reconstruction and Development
IFC International Finance Corporation
ICAO International Civil Aviation Organization
UPU Universal Postal Union
ITU International Telecommunication Union
WMO World Meteorological Organization
IMCO Inter-Governmental Maritime Consultative Organization
GATT General Agreement on Tariffs and Trade
IAEA International Atomic Energy Agency

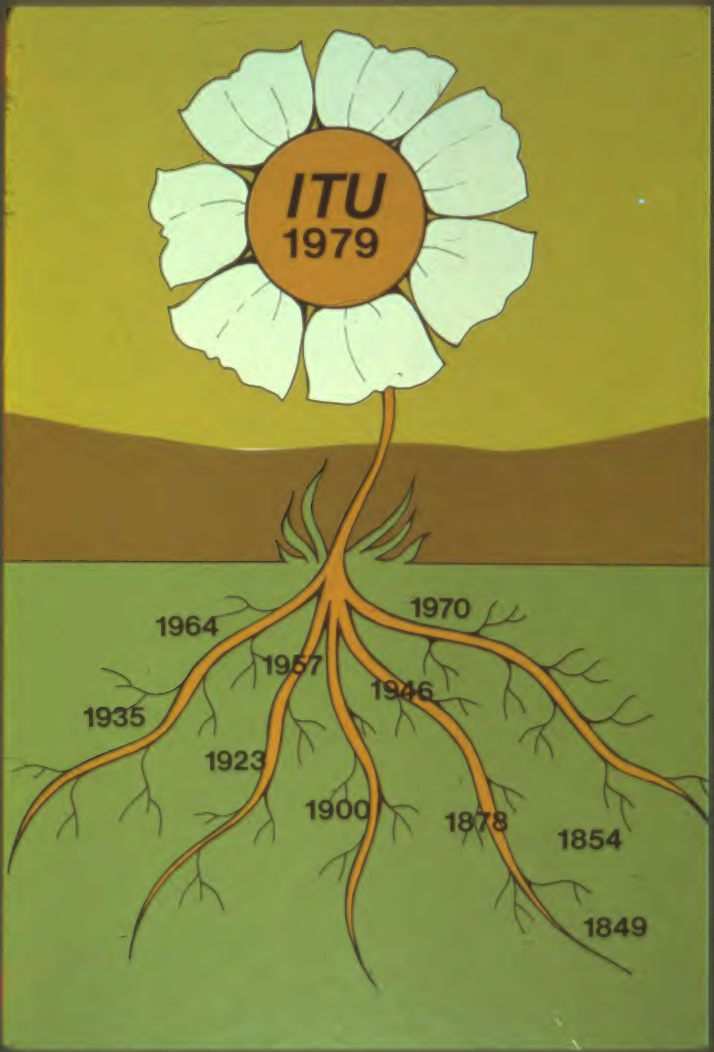
• Radio Signals Don't Stop at the Border

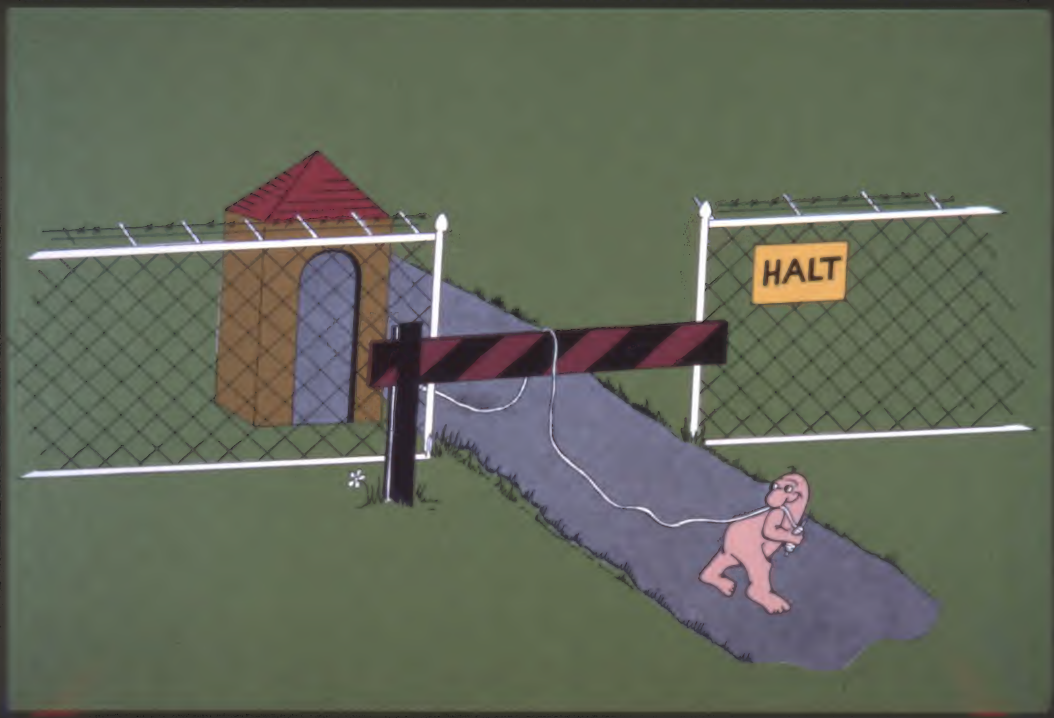



1927 WASHINGTON
1938 CAIRO
1947 ATLANTIC CITY
1979 GENEVA
1932 MADRID
1959 GENEVA


AMATEURS
BROADCASTING
GENEVA CONFERENCE


1979
WARC
1979
1979
WARC
1979


ITU
1979
1849
1854
1878
1900
1923
1935
1946
1957
1964
1970


HALT

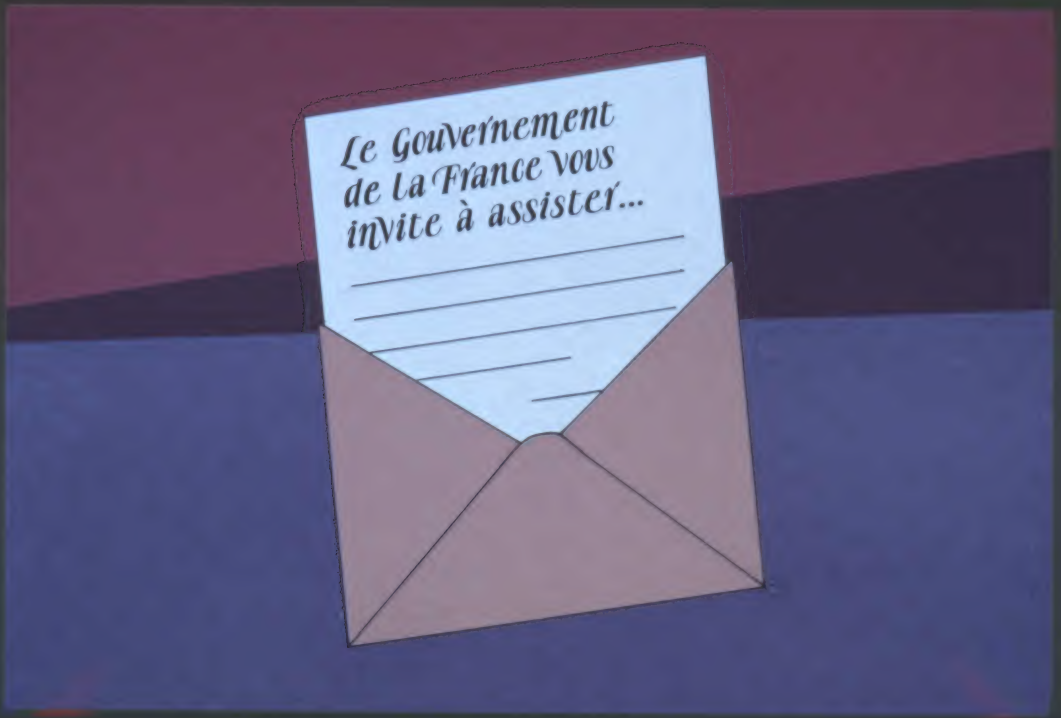
- *The first international telegraph was established in 1849*



The Austro-Prussian treaty linked Berlin and Vienna by a unified telegraph system

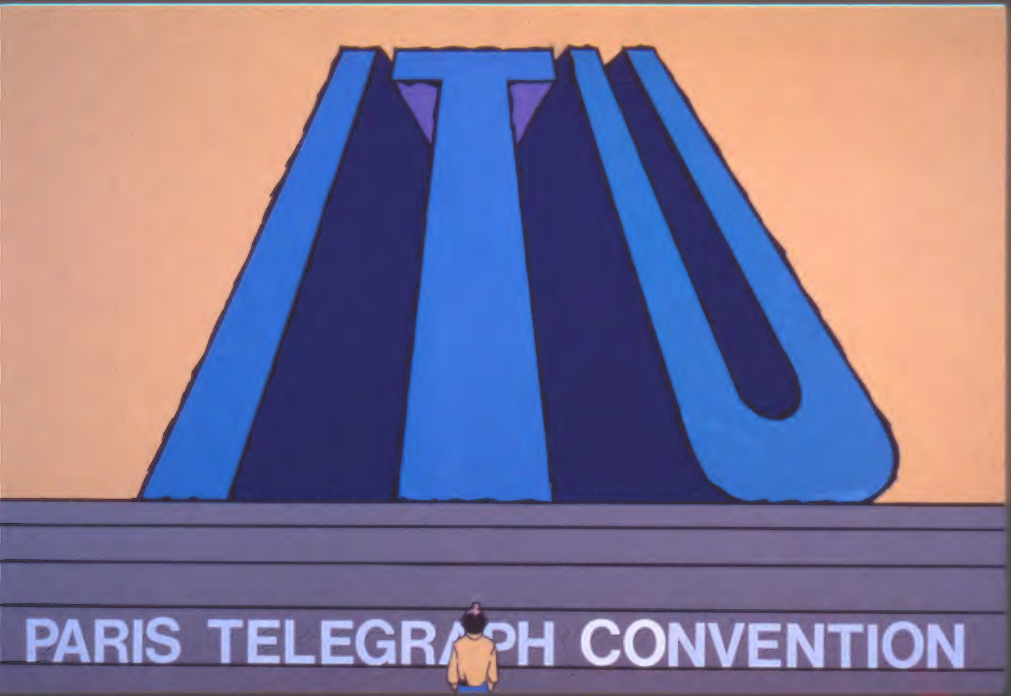

1850
AUSTRO-GERMAN
TELEGRAPH
UNION
BAVARIA
& SAXONY
AUSTRIA
& PRUSSIA


West European
Telegraph Union

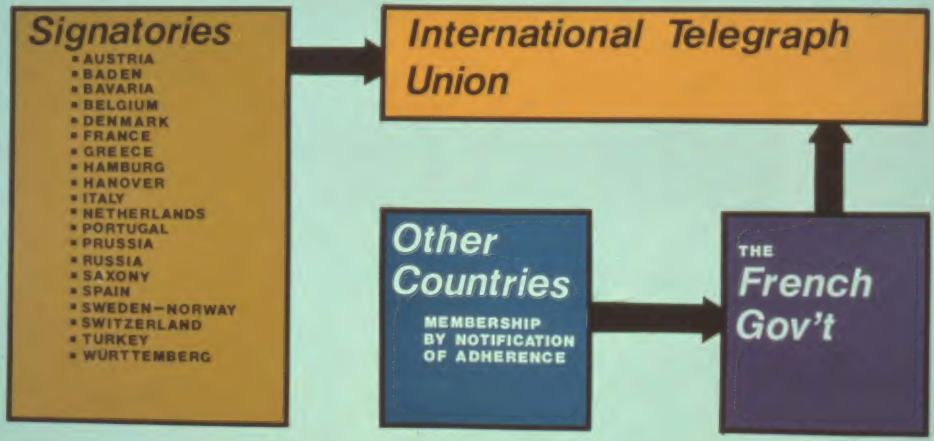

Le Gouvernement
de la France vous
invite à assister...

- *The International Telegraph Union was formed in 1865 to standardize telegraph equipment & procedures*



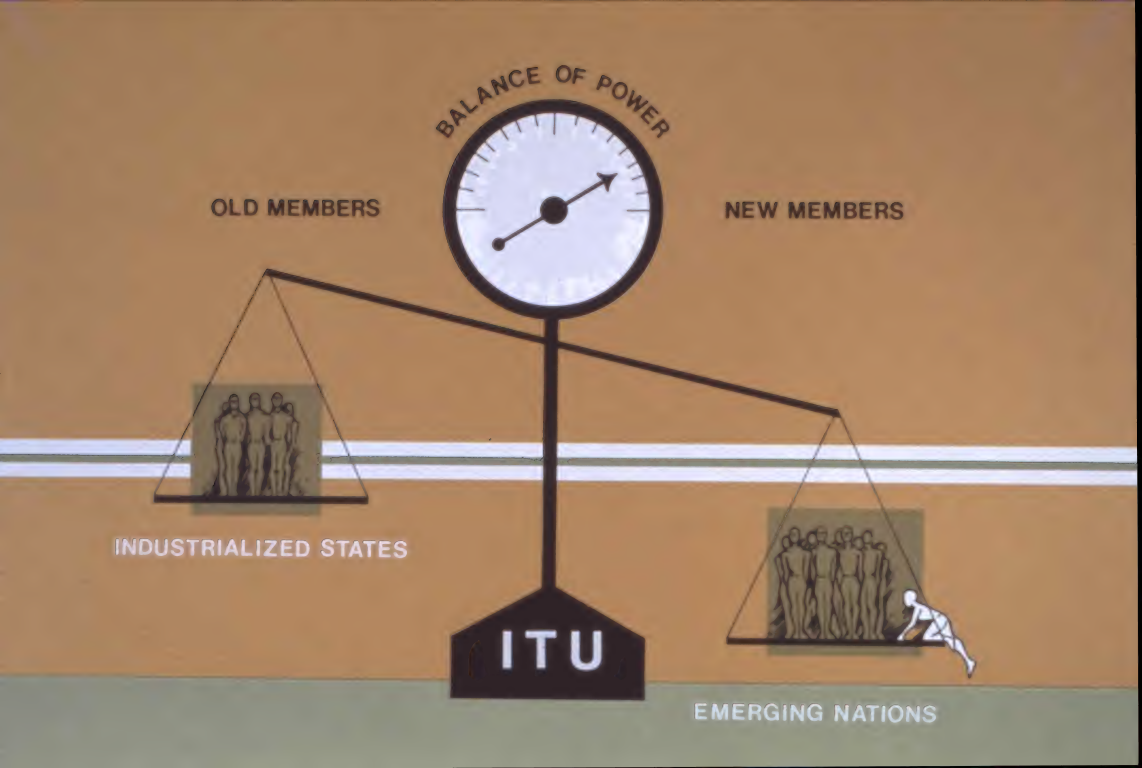

PARIS TELEGRAPH CONVENTION

• Membership in the ITU




...Each member nation
has one vote...

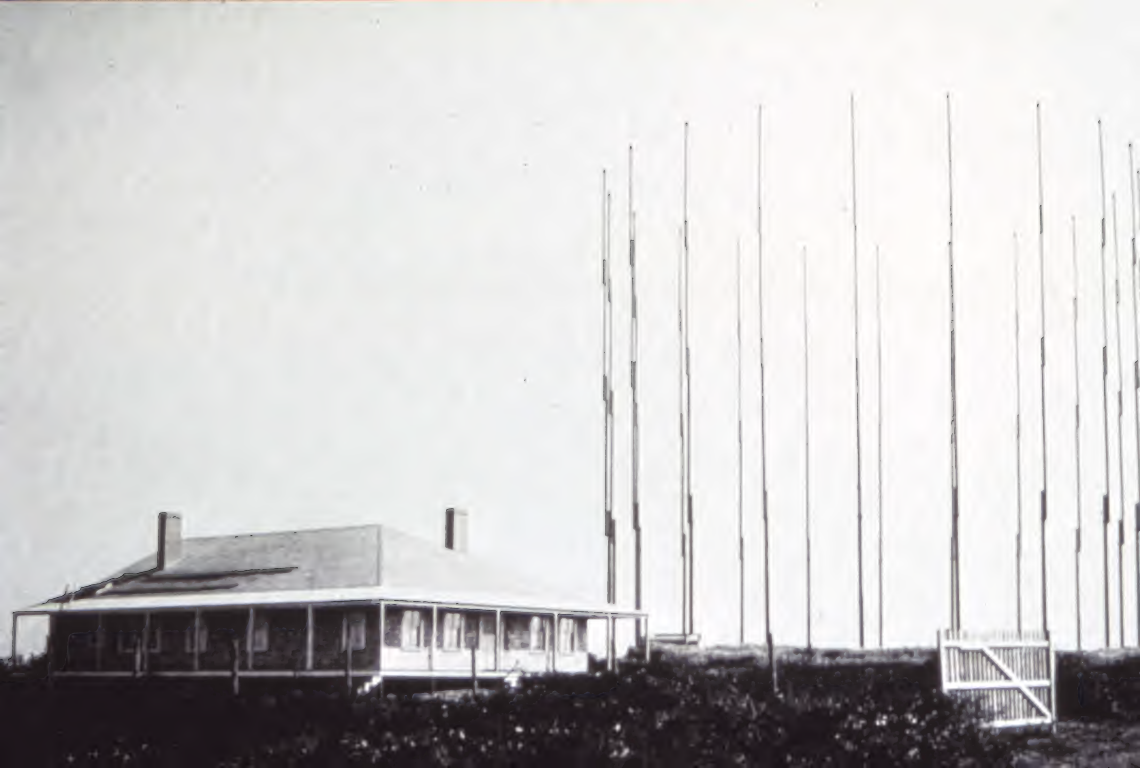

ITU


BALANCE OF POWER
OLD MEMBERS
NEW MEMBERS
INDUSTRIALIZED STATES
ITU
EMERGING NATIONS

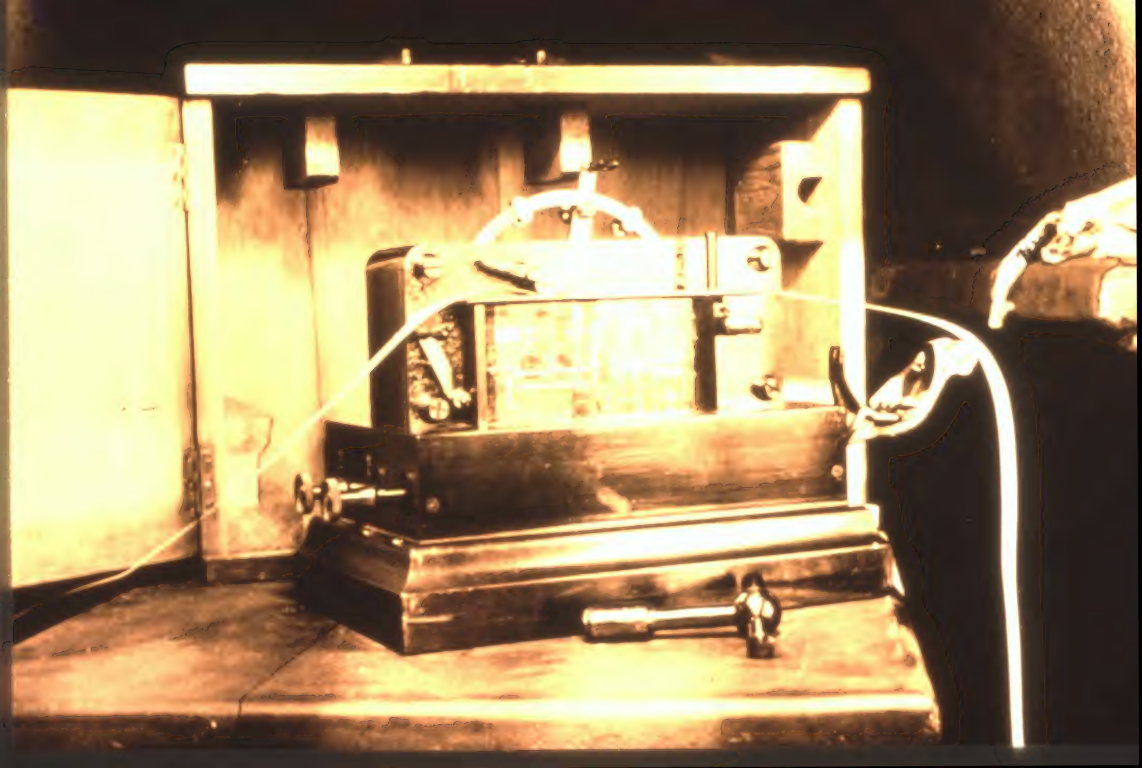
- *By 1903 the ITU was regulating telephone communications as well*



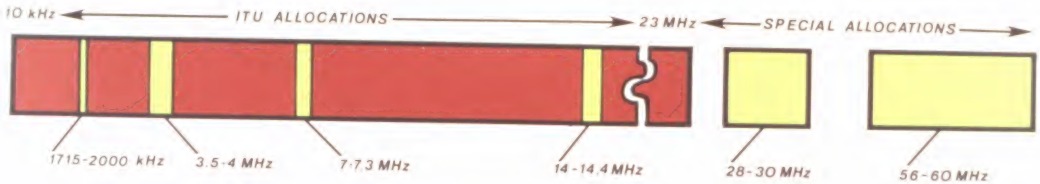






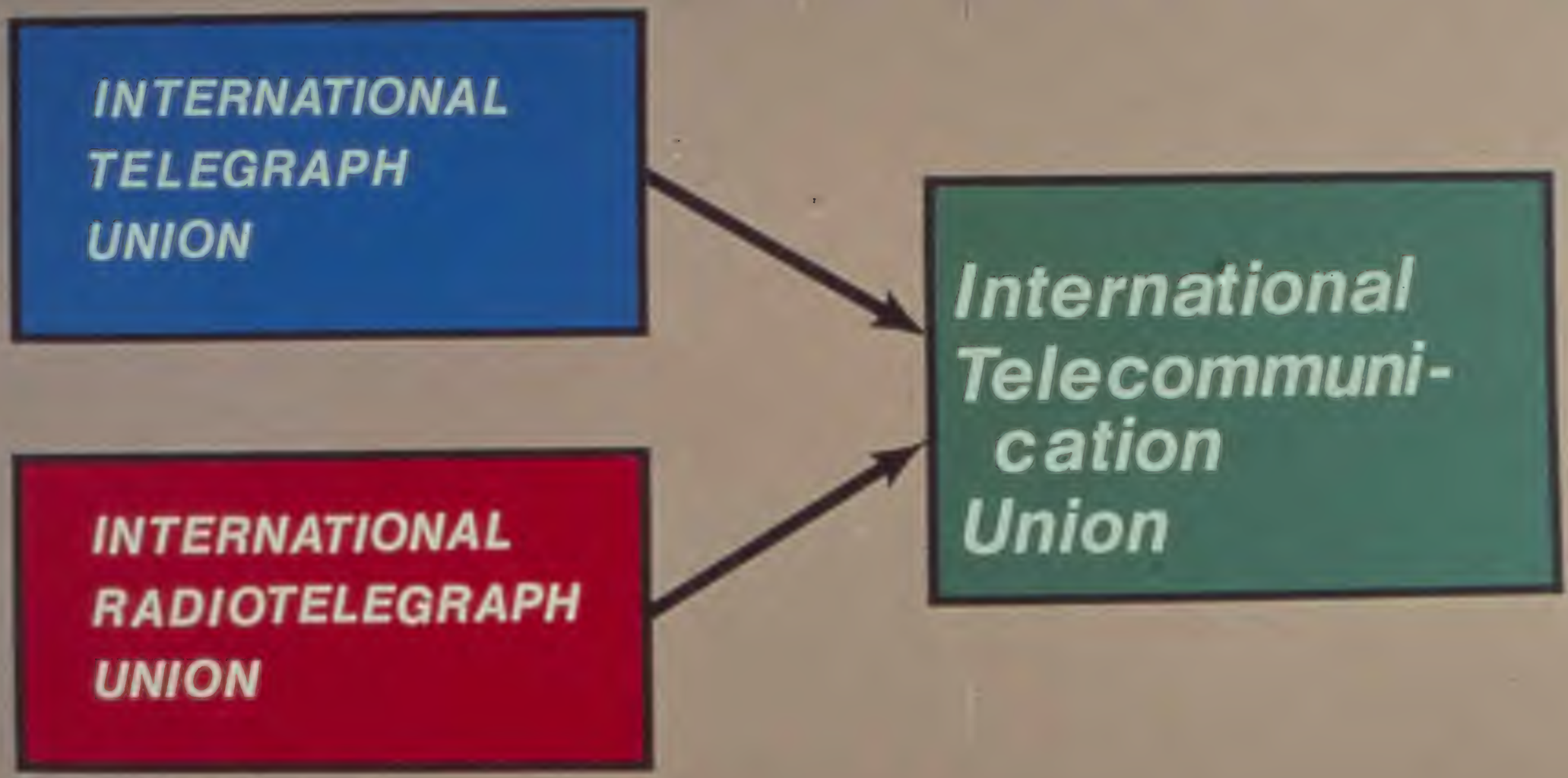


- *The Washington Conference held in 1927 gave amateurs their first "official" international allocations*

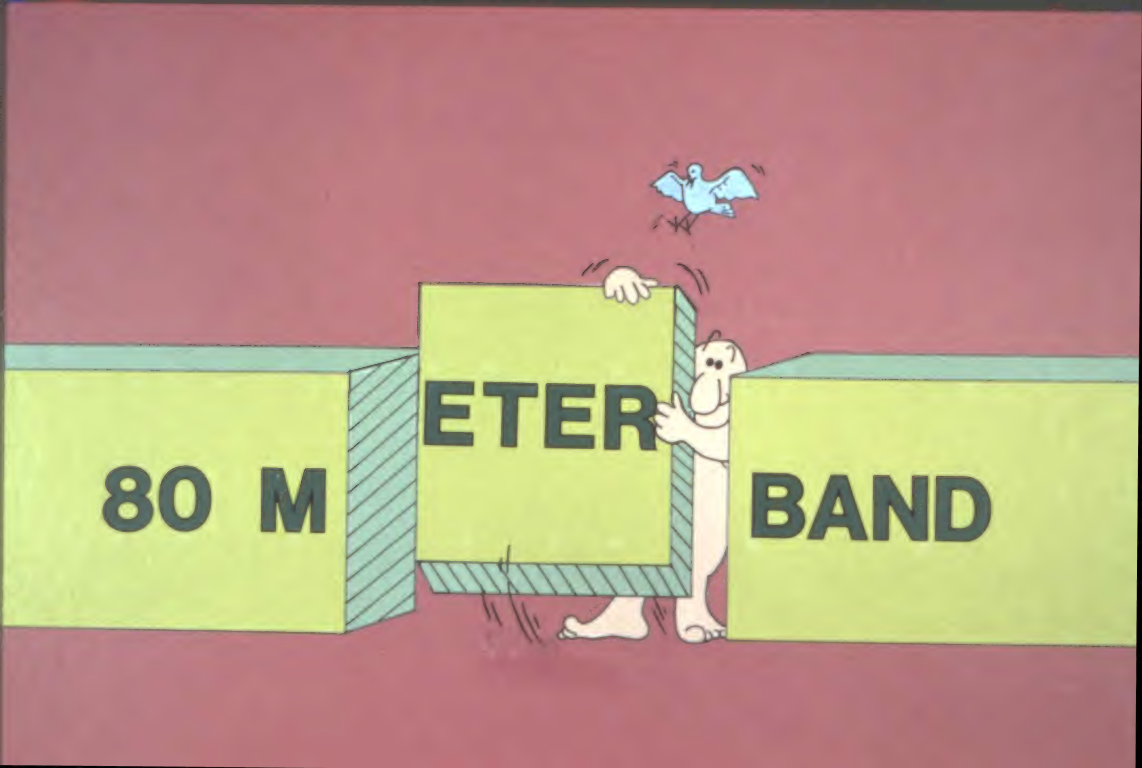


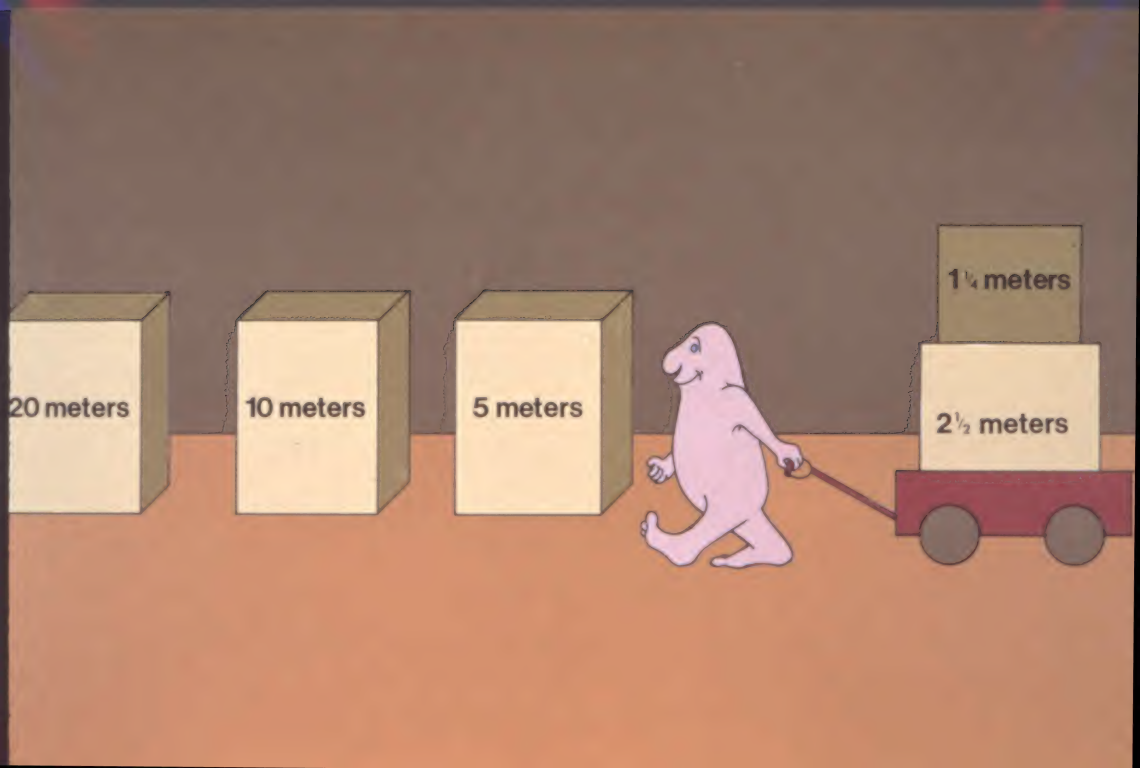


- *The International Telecommunication Union formed in 1932*



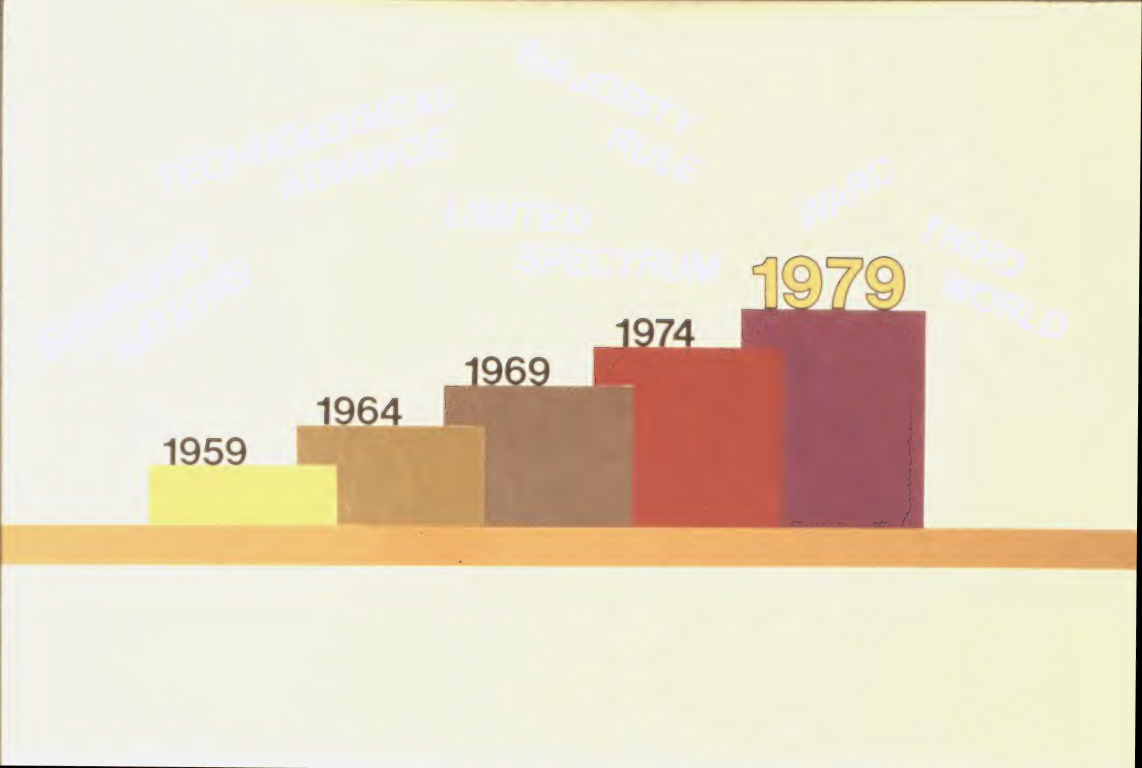

CAIRO
1938


80 M
ETER
BAND

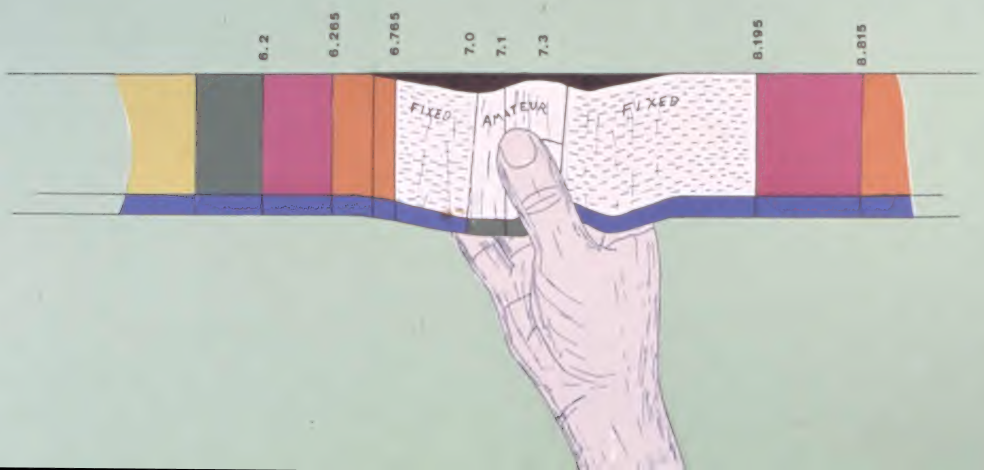

20 meters
10 meters
5 meters
1¼ meters
2½ meters

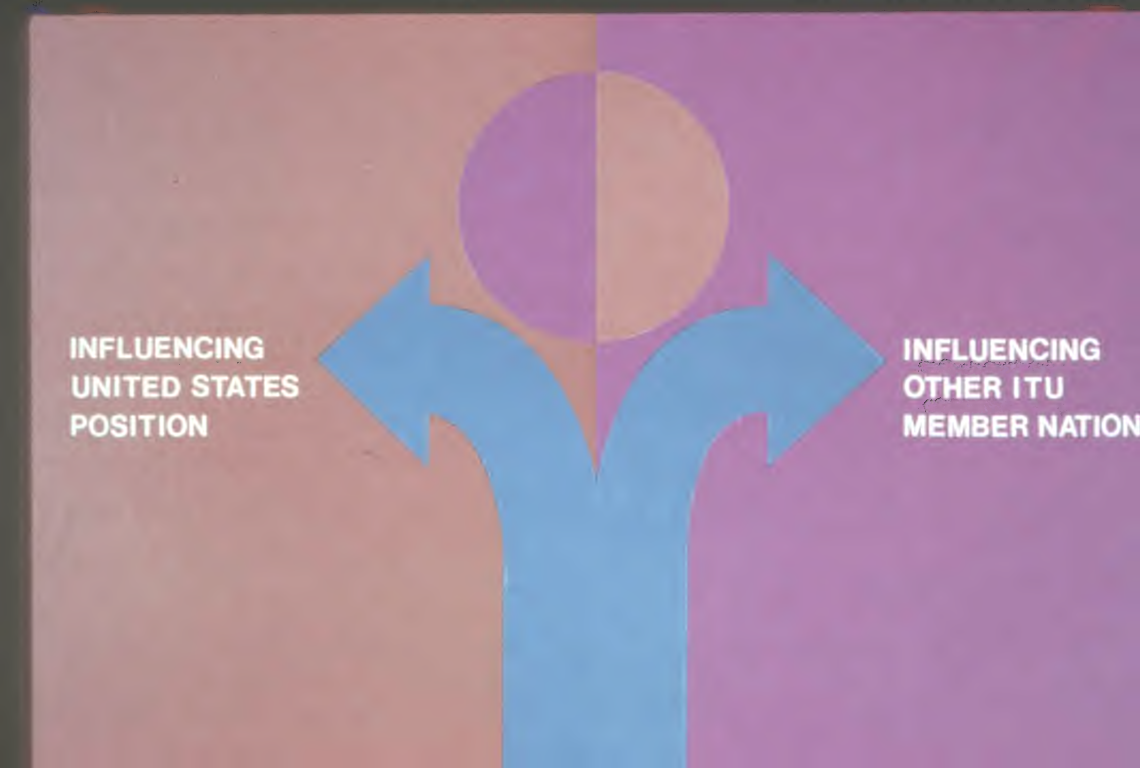
• ITU·ATLANTIC CITY-1947

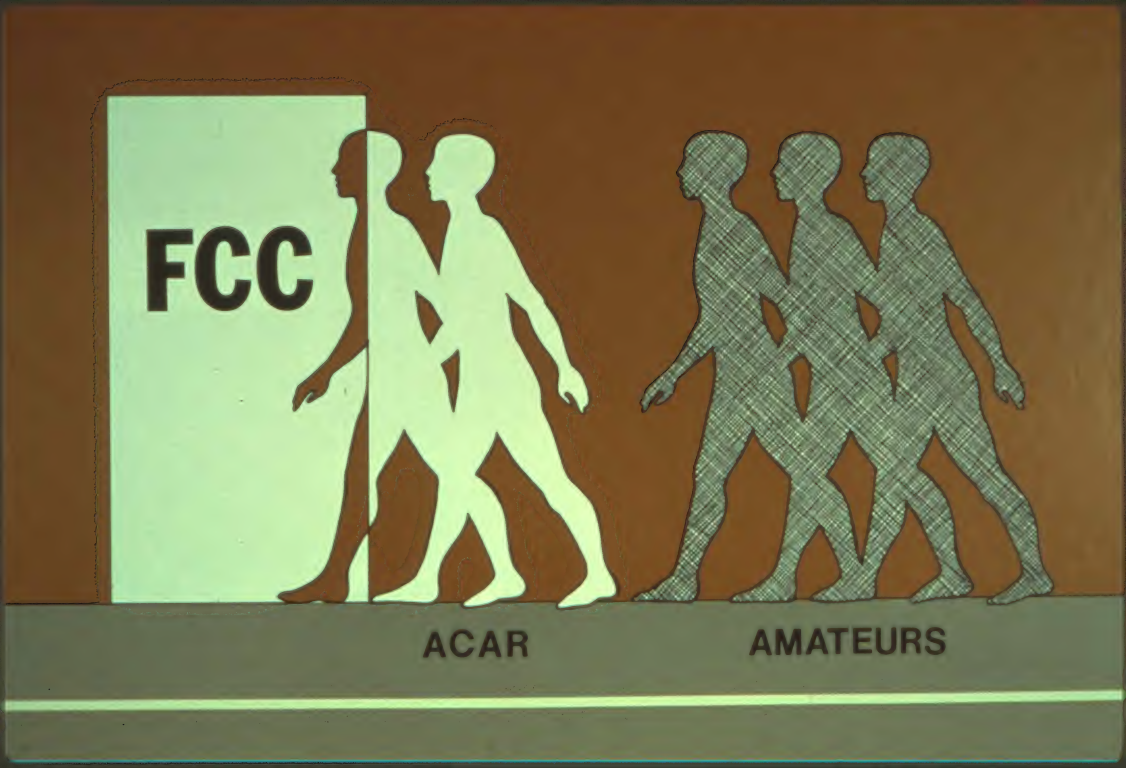
Band	Old allocation	New allocation		
		Region I	Region II	Region III
160	1750·2000 S	0	1800·2000 S	1800·2000 S
80	3500·4000 S	3500·3800 S	3500·4000 S	3500·3900 S
40	7000·7200 7200·7300 S	← 7000·7100 A →		
		7100·7150 S	7100·7300 A	7100·7150 S
20	14,000·14,400 A	← 14,000·14,350 A →		
15	0	← 21,000·21,450 A →		
11	0	0	26,960·27,230 A	0
10	28,000·30,000 A	← 28,000·29,700 A →		
6	56·60 S	0	← 50·54 A →	
2.5	112·120 S	← 0 →		
2	0	← 144·146 A →		
		0	← 146·148 A →	


1959
1964
1969
1974
1979

- *The amateur radio allocations are desired by many other services*




INFLUENCING
UNITED STATES
POSITION
INFLUENCING
OTHER ITU
MEMBER NATION


FCC
ACAR
AMATEURS

FEDERAL COMMUNICATIONS COMMISSION

Report of the WARC Advisory Committee for Amateur Radio

John B. Johnston, Chairman

May 18, 1976

Submitted in support of the spectrum requirements of the Amateur Radio Service through the year 2000 A.D.

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D. C. 20554

FCC 76-1095

In the Matter of

An Inquiry relative to preparation for a General World Administrative Radio Conference of the International Telecommunication Union to consider revision of the International Radio Regulations.

DOCKET NO. 20271

THIRD NOTICE OF INQUIRY

Adopted: November 24, 1976. Released: December 6, 1976

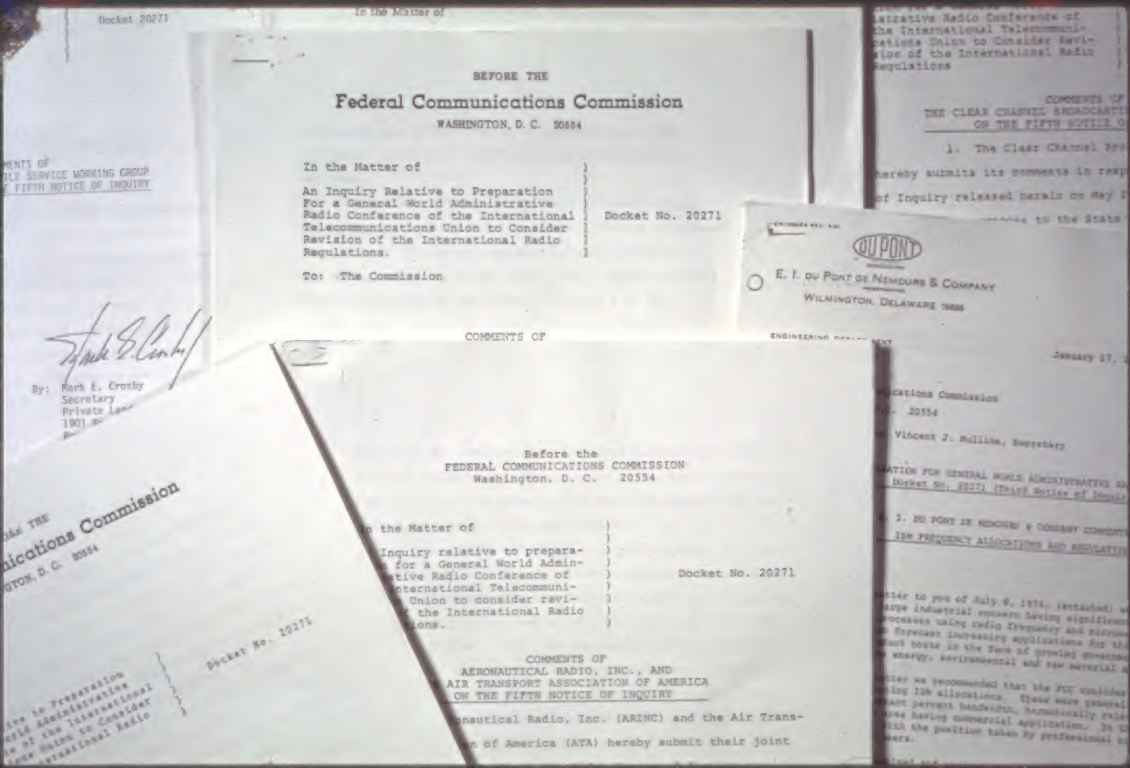
By the Commission: Commissioner Lee concurring and issuing a statement.

1. On September 5, 1975, the Commission adopted a Second Notice of Inquiry in the above entitled matter (FCC 75-992, Do. 20271). It was released on September 19, 1975, and appeared in the Federal Register on September 29, 1975 (40 F.R. 44604). The period for comments and reply comments has passed.

2. The purpose of the Second Notice was to solicit comments "...regarding the alignment of the international table with the domestic table, above 40 GHz. Further, comments and supporting technical materials were requested on several points "with respect to the use of small earth terminals in any or all of the space radiocommunications services in the near (1975-1990) and long (1985-2000) term time frame." Finally, we pointed out that it "...respect to the 100-1215 MHz band the Commission has received a letter from the Office of Telecommunications Policy advising... 'that access to a substantial amount of additional spectrum in that range will be required'; the matter was raised at that time in order to indicate a need to document civil requirements for use of the spectrum.

3. Comments were filed by Aeronautical Radio, Inc.; Air Transport Association of America; American Broadcasting Companies, Inc.; American Petroleum Institute; American Satellite Corporation; Aircraft Owners and Pilots Association; Association of American Railroads; American Telephone and Telegraph Company; Brown Radio Service and Laboratory; Cities Service Company; Council for UHF Broadcasting; General Electric Company; General Telephone and Electronics Service Corporation; Home Box Office, Inc.; Joint Council on Educational Telecommunications; Land Mobile Communications Council; National Cable TV Association of Business and Educative Radio, Inc.; National Committee Association, Inc.; Association of Maximum Service Telecasters, Inc.;


DOMESTIC



Docket 20271

In the Matter of

BEFORE THE

Federal Communications Commission

WASHINGTON, D. C. 20554

In the Matter of)
)
An Inquiry Relative to Preparation)
For a General World Administrative)
Radio Conference of the International) Docket No. 20271
Telecommunications Union to Consider)
Revision of the International Radio)
Regulations.)

To: The Commission

COMMENTS OF

THE CLEAR CHANNEL BROADCASTING

ON THE FIFTH NOTICE O

1. The Clear Channel Bro

hereby submits its comments in resp

of Inquiry released herein on May

DU PONT

E. I. du Pont de Nemours & Company

Wilmington, Delaware 19898

January 17,

Vincent J. Mullins, Secretary

Docket No. 20271 (THIRD Notice of Inquir

E. I. DU PONT DE NEMOURS & COMPANY COMMENTS

ISM FREQUENCY ALLOCATIONS AND REGULATIO

letter to you of July 8, 1974, introduced w

large industrial concerns having significant

processes using radio frequency and microw

to forecast increasing applications for th

short posts in the form of growing governm

energy, environmental and raw material

letter we recommended that the FCC establish

ISM allocations. These were general

about percent bandwidth, domestically rela

those having commercial applications. In co

with the position taken by professional

marks.

By: Mark E. Crosby
Secretary
Private Lan
1901 M

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D. C. 20554

In the Matter of)
)
Inquiry relative to prepara-)
for a General World Admin-)
trative Radio Conference of) Docket No. 20271
International Telecommuni-)
Union to consider revi-)
the International Radio)
ions.)

COMMENTS OF
AERONAUTICAL RADIO, INC., AND
AIR TRANSPORT ASSOCIATION OF AMERICA
ON THE FIFTH NOTICE OF INQUIRY

onautical Radio, Inc. (ARINC) and the Air Trans-

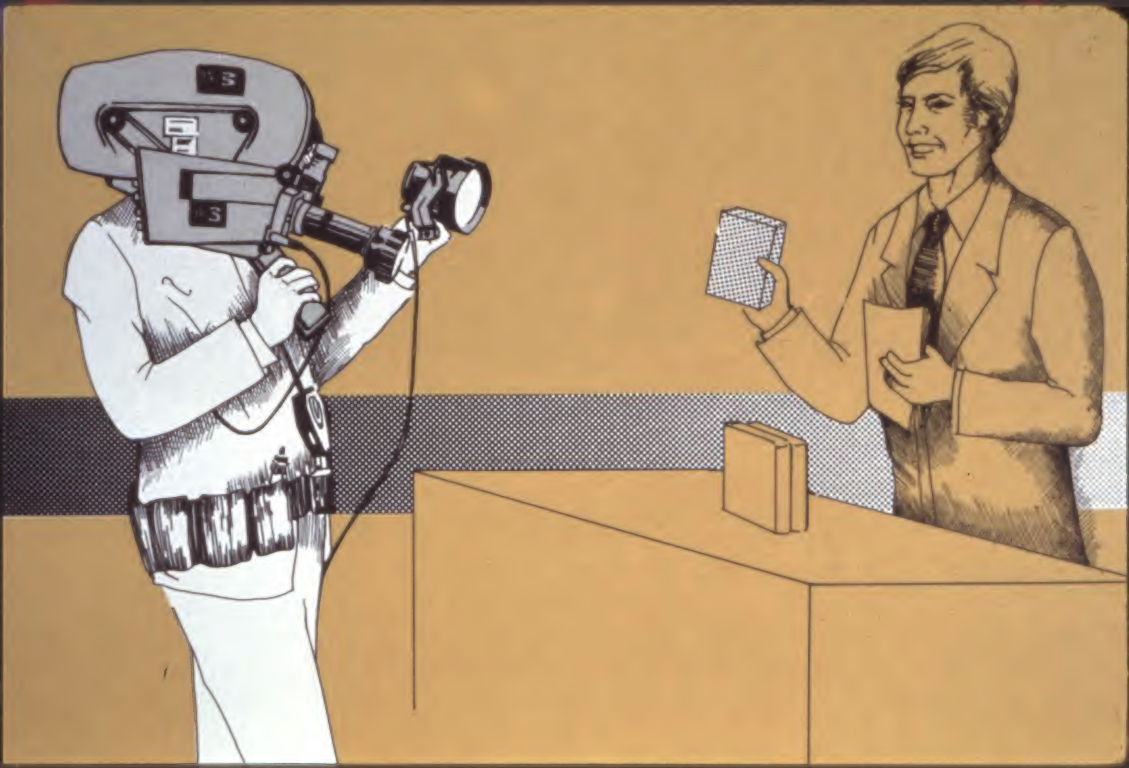
n of America (ATA) hereby submit their joint

ions Commission

GTON, D. C. 20554

Docket No. 20271

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ons to Consider
International Radio




PUBLIC SERVICE
AND
COMMON CARRIER

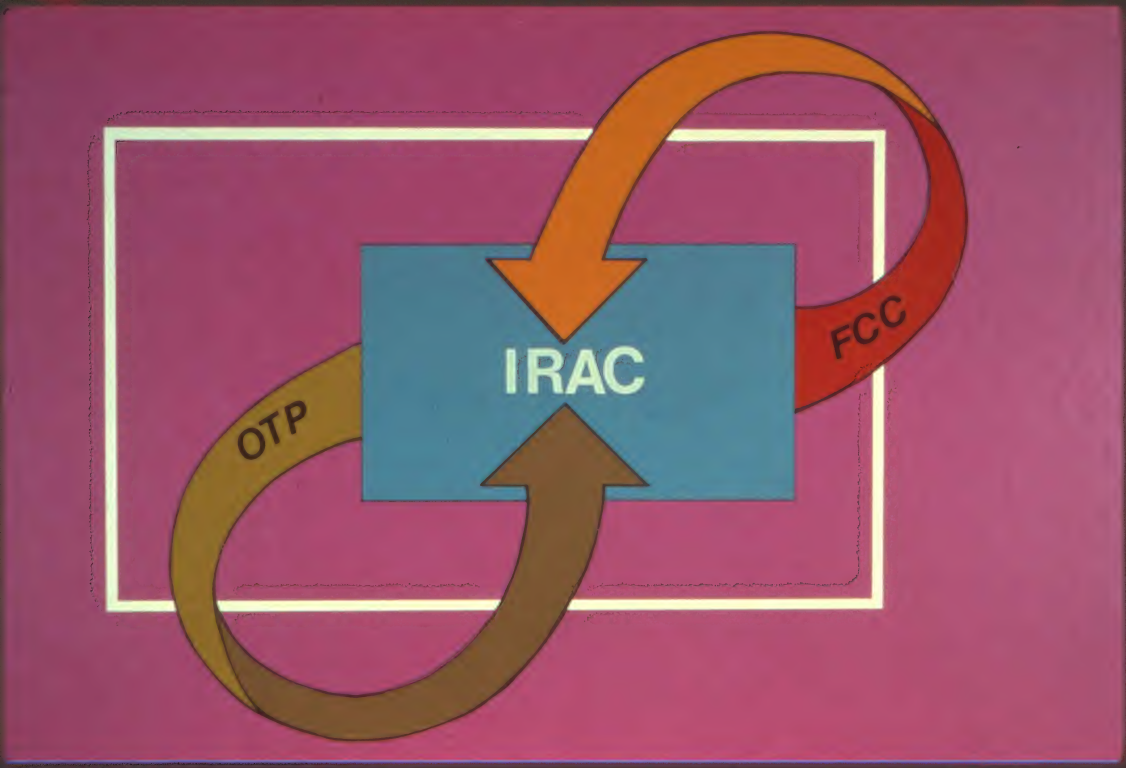
- **The FCC and the OTP - which regulates what?**

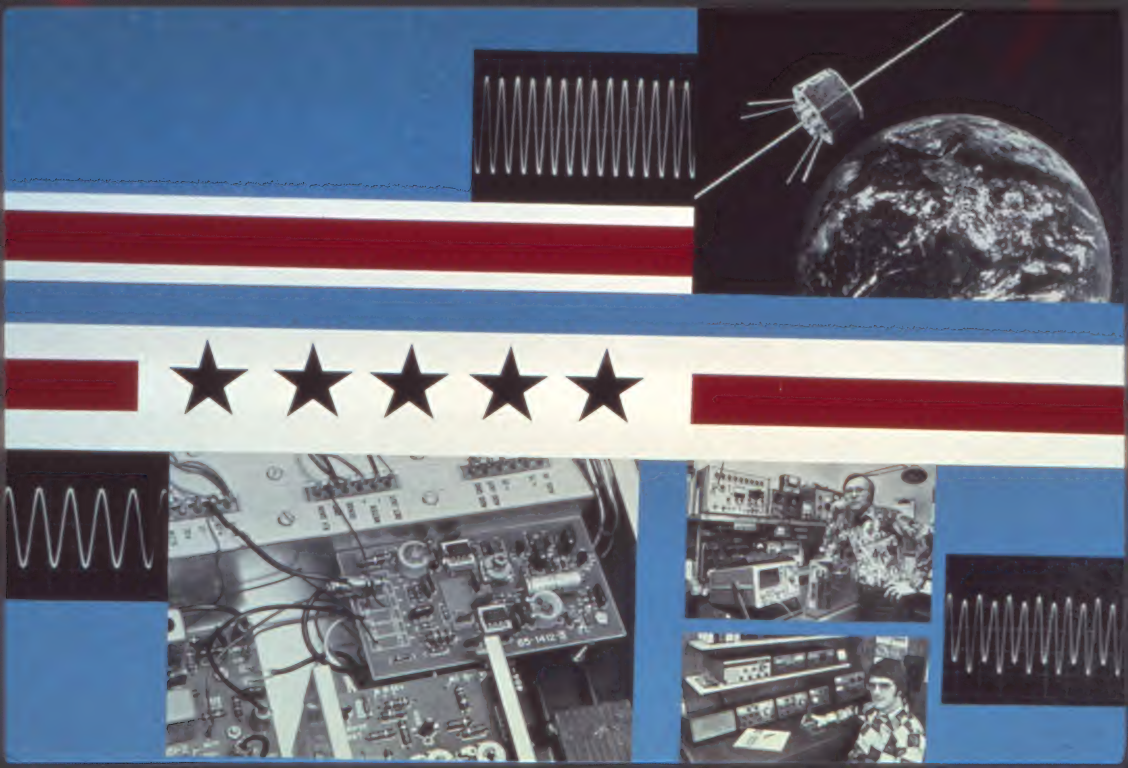
FCC

- BROADCASTING
- CABLE TELEVISION
- COMMON CARRIER
- SPECIAL SERVICES

OTP

- AGRICULTURE
- AIR FORCE
- ARMY
- COAST GUARD
- COMMERCE
- FAA
- FEA
- GSA
- HEW
- INTERIOR
- JUSTICE
- NASA
- NAVY
- STATE
- TREASURY
- USIA


IRAC
FCC
OTP




IARU


СССР
ЦЕНТРАЛЬНАЯ РАДИОСТАНЦИЯ КРЕМЛЬ
REF
ÚSKA





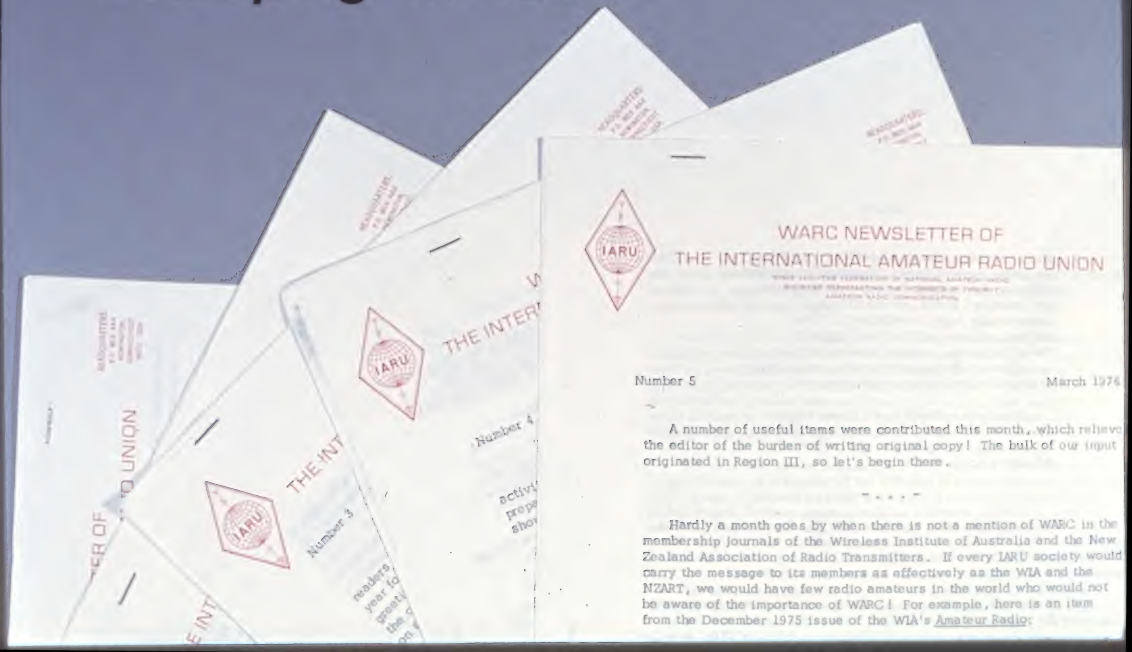
SHARING EXPERIENCE & KNOWLEDGE






THE INTERNATIONAL AMATEUR RADIO UNION
REGION 1 NEWS
journal of the international amateur radio union region 1 division
THE INTERNATIONAL AMATEUR RADIO UNION
Journal of The International Amateur Radio Union Region III Association
REGION 3 NEWS
NO.2
EGION 2
WS
No.5
August 1977
nacional de Radioaficionados
nal Amateur Radio Union

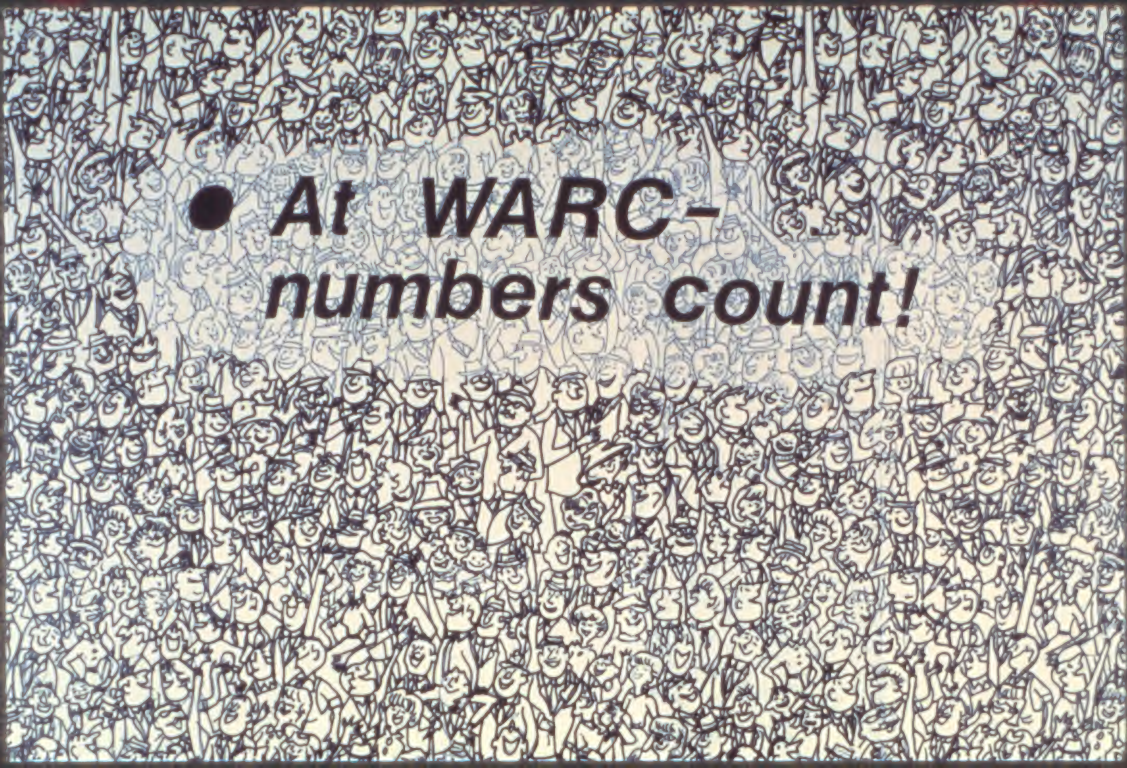
• Keeping in touch








what can
i do?


• At WARC–
numbers count!


The
ARRL
Training
Program
Official
Instructor's Guide
INSTRUCTOR'S TAPE No. N1
INSTRUCTOR'S TAPE No. G1
INSTRUCTOR'S TAPE No. G4
OFFICIAL GENERAL
STUDENT WORKBOOK
OFFICIAL NOVICE
STUDENT WORKBOOK

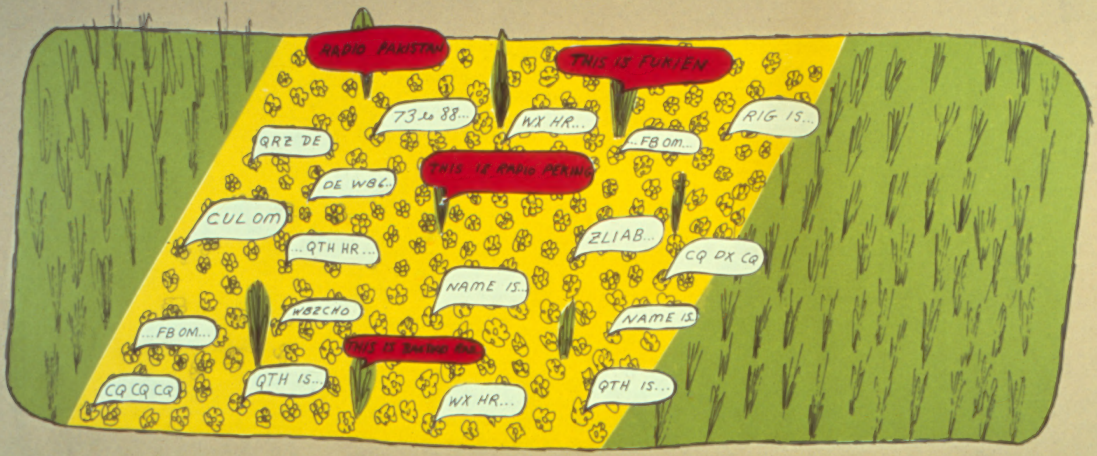

SWITZERLAND
CZECHOSLOVAKIA
OK1-19914
NEW ZEALAND
ZL2RD
FINLAND
8WZ
AUSTRALIA
VK6GT
80 Pilbara Ave,
PARABURDOO, W.A. 6754.
JAKARTA INDONESIA
ISLAND OF JAVA
YB0AD
RIO DE JANEIRO
QTH: IDRIJA
FRANCE
FE 21
KORE

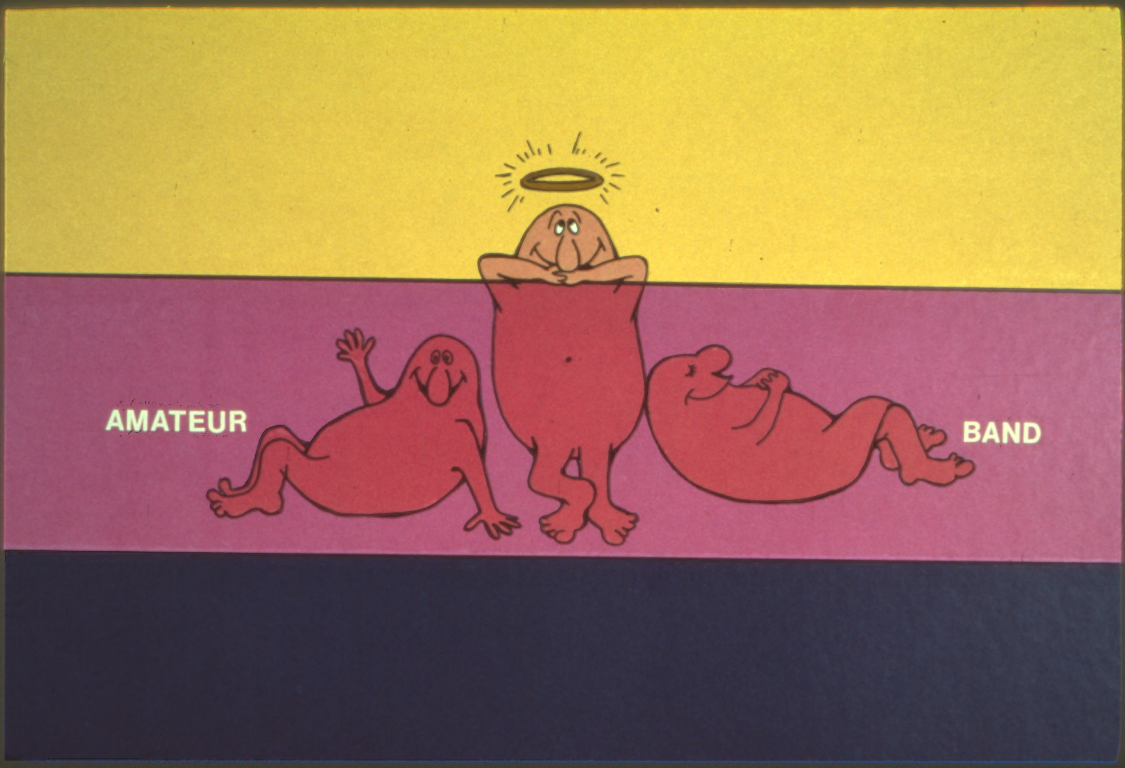


... providing the transmissions do not cause harmful interference.


AMATEUR
BAND

- ***Just as weeds will take over your garden the intruders will take over your ham band...if you let them!***




AMATEUR
BAND

Please use ballpoint pen and bear down — Tear off this stub, forward original and one copy to ARRL.

Station Causing Harmful Interference

Frequency kHz	GMT From / To	Date Mo. / Day / Yr.

Call/Identification	Emission

Mon. Sta. *	Strength (1-9)	Reception Point/Amateur Station Subject to Harmful Interference

Intercept:

Remarks:

*Enter two-letter designation for FCC Monitoring Station alerted while it was in progress.

FCC COPY

ARRL COPY

INTRUDER WATCHER'S COPY

*Enter two-letter designation for FCC Monitoring Station alerted while it was in progress.

*Enter two-letter designation for FCC Monitoring Station alerted while it was in progress.

• The ARRL Intruder Watch Program

